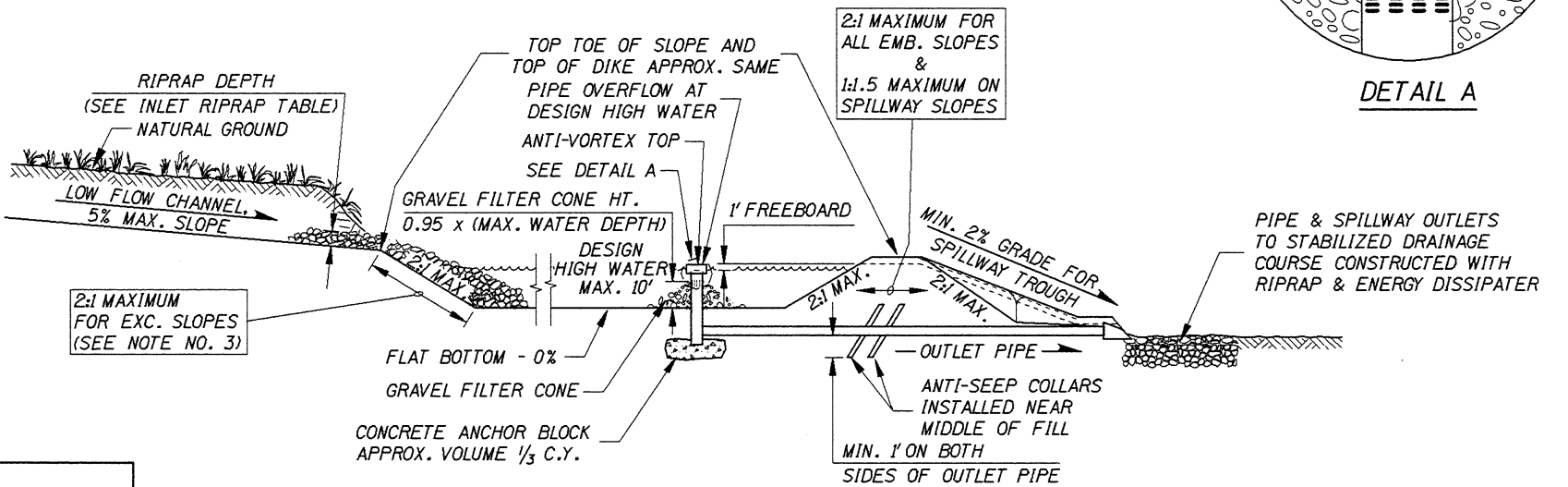


PLAN - SEDIMENT BASIN
(SPILLWAY OPTION 1 SHOWN)



SECTION A-A

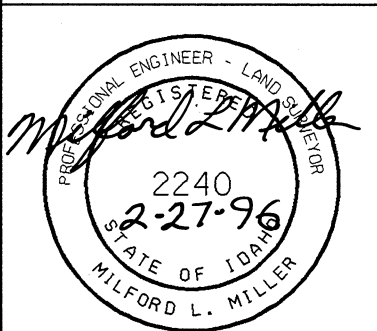
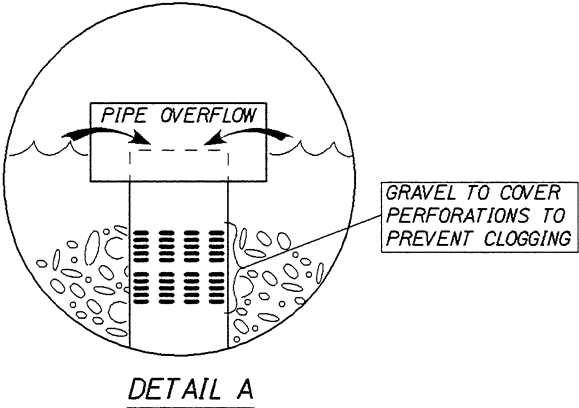
RIPRAP TABLE FOR INLET CHANNEL		
CHANNEL SLOPE %	LENGTH	DEPTH
1	10'	1.0'
2	15'	1.0'
3	20'	1.5
4	25'	2.0'
5	30'	3.0'

GENERAL NOTES FOR SEDIMENT CONTROL

- ALL SEDIMENT CONTROL DEVICES SHOWN ON P-4 SERIES STANDARD DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ITD CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES (BMP's).
- SITE DIMENSIONS, PLACEMENT, AND PAYMENT FOR SEDIMENT CONTROL DEVICES SHALL BE AS SET FORTH IN THE PLANS AND SPECIAL PROVISIONS.
- THE NEED OF SEDIMENT CONTROL DEVICES SHALL BE DETERMINED BY SITE DESIGN. MODIFICATIONS TO THOSE INSTALLATIONS SHALL BE APPROVED BY THE ENGINEER.
- SEDIMENT CONTROL DEVICES ARE INTENDED TO LAST FOR THE LIFE OF THE ROADWAY AND SHALL BE AN INTEGRAL PART OF THE FINAL EROSION CONTROL SYSTEM. A BMP STANDARD DRAWING DEVICE WITH AN INTENDED LIFE LESS THAN THE ROADWAY'S INTENDED LIFE IS NOT TO BE A PERMANENT PART OF THE FINAL EROSION CONTROL SYSTEM, BUT MAY BE A TEMPORARY PART DURING CONSTRUCTION.

NOTES

- SEE THE GENERAL NOTES FOR SEDIMENT CONTROL.
- THE CRITERIA FOR OPTIMAL LOCATION OF SEDIMENT BASINS ARE:
 - LOCATE BASIN ON OR ADJACENT TO THE HIGHWAY RIGHT-OF-WAY.
 - PLACE BASIN IN A NATURAL SWALE, USING NATURAL SLOPES SO THAT ONLY THE FRONTAL DIKE NEED BE CONSTRUCTED.
 - LOCATE AND CONSTRUCT SO THAT EXCAVATION AND EMBANKMENT QUANTITIES WILL BE REASONABLY BALANCED.
- WHEN AMPLE SPACE IS AVAILABLE USE THE NATURAL SLOPES TO CONSTRUCT SEDIMENT BASINS. EXCAVATED SLOPES FOR SEDIMENT BASINS SHALL BE CONSTRUCTED WITH GENTLE SLOPES AS TO RETARD FURTHER EROSION OR SLOUGHING INSIDE THE BASIN. THE TOP TOE OF THE EXCAVATED SLOPE SHALL BE NO HIGHER THAN THE TOP OF THE BASIN DIKE PORTION.
- SEDIMENT BASINS SHALL BE CONSTRUCTED AT LOCATIONS AS SHOWN ON THE PLANS. THE BASIN DIMENSIONS, CAPACITY, AND FLOW GRADES SHALL BE DETERMINED BY DESIGN. THE FINAL DESIGN OF ALL SEDIMENT BASINS SHALL BE APPROVED BY THE ITD HYDRAULICS ENGINEER.
- IT IS RECOMMENDED THAT THE LENGTH (L) OF A SEDIMENT BASIN BE (10) TEN TIMES THE WIDTH (W).
- THE CAPACITY OF A SEDIMENT BASIN SHALL NOT EXCEED 50 ACRE FEET.
- NOT TO SCALE.



REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

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IDAHO
TRANSPORTATION
DEPARTMENT
BOISE, IDAHO



CHIEF OF HIGHWAY OPERATIONS
CHIEF ENGINEER

STANDARD DRAWING

SEDIMENT CONTROL
SEDIMENT BASIN

FORM CATALOG NUMBER

STANDARD DRAWING NO.

P-4-A

SHEET 1 OF 1